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INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB 03/04893

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 HO4L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 HO4L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/075882 A1 (DATTA UTPAL ET AL) 20 June 2002 (2002-06-20) paragraph '0033! paragraph '0102!	1-13, 43-50
X	EP 1 137 225 A (CIT ALCATEL) 26 September 2001 (2001-09-26) paragraph '0022! - paragraph '0028!	1-50
X	EP 0 372 795 A (AMERICAN TELEPHONE & TELEGRAPH) 13 June 1990 (1990-06-13) column 3, paragraph 37 - column 4, paragraph 23	1, 2



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

\* Special categories of cited documents:

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- \*E\* earlier document but published on or after the International filing date
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- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*Z\* document member of the same patent family

Date of the actual completion of the International search

20 July 2004

Date of mailing of the International search report

26/07/2004

Name and mailing address of the ISA  
European Patent Office, P.O. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 81 651 epo nl  
Fax. (+31-70) 340-3016

Authorized officer

Gregori, S

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/GB 03/04893

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002075882	A1	20-06-2002	AU 3883499 A CA 2331820 A1 EP 1080563 A1 WO 9957858 A1	23-11-1999 11-11-1999 07-03-2001 11-11-1999
EP 1137225	A	26-09-2001	EP 1137225 A1 JP 2001285330 A US 2001030974 A1	26-09-2001 12-10-2001 18-10-2001
EP 0372795	A	13-06-1990	US 4914650 A AU 609341 B2 AU 4560689 A CA 2000557 A1 EP 0372795 A2 JP 2202250 A	03-04-1990 26-04-1991 14-06-1990 06-06-1990 13-06-1990 10-08-1990

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